

Corn Silage Kernel Processing Score (KPS) Guidelines and Benchmarks

% Corn Silage Starch that Passes Through a 4.75mm Screen

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Rock River Laboratory Database (2013 to 2019 Crop Years)	
Average	64.9
Min*	53.6
Goal**	76.1

Crop Year	2019	2018	2017
Average KPS	66.3	69.4	66.3
Min	56.8	60.1	56.6
Goal	77.6	79.0	75.8

Crop Year	2016	2015	2014
Average KPS	66.4	63.9	65.7
Min	56.0	52.3	53.7
Goal	76.6	75.3	77.4

Previous Industry Guideline Sample distributions, % of all RRL samples			
Crop Year	2019	2018	2017
>70 KPS	39.0	51.1	37.3
50 to 70 KPS	54.3	44.0	57.7

*,** The Goal and Min are defined as the 85th and 15th percentiles, for corn silages kernel processing scores measures, analyzed by Rock River Laboratory, Inc.

References

- Ferreira, G. 2002. Nutrient evaluation corn silage: Chemical and Physical characteristics of corn silage and their effects on in vitro disappearance. M.S. Thesis (Ch. 3) Univ. of Wisconsin-Madison.
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- Mertens, D.R. 2005. Particle size, fragmentation index, and effective fiber: Tools for evaluating the physical attributes of corn silages. *Proc. 2005 Four-State Dairy Nutr. And Management Conf.* pg 211-220.